

CLAIMS

1. Staple for the suture of a sternum, including a central body (1) having at least two threaded parts (2, 2') with opposite threads and at least two teeth (3, 3'), each having a threaded end (4, 4') able to engage one of the threaded parts of the central body.
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2. Staple as in claim 1 in which said central body is a hollow cylinder and the two opposite threads are internal threads situated at the two ends of the central body.
3. Staple as in any previous claim in which each tooth has one leg (5, 5'), having an axis forming a right or acute angle with the
10 threaded end (4, 4').
4. Staple as in claim 3 in which said angle is between 70° and 85°.
5. Staple as in claim 3 or 4 in which the edges of the tip (7) of each leg are rounded.
6. Staple as in any previous claim made of biocompatible and diamagnetic
15 material.
7. Staple as in any previous claim in which the external surface (9) of the central body is knurled.
8. Staple according to any claim from 3 to 7 in which the legs of the teeth have a length of between 10 and 20 mm.
- 20 9. Punch cutter forceps able to pierce a sternum, including a first jaw (20) having a punching tip (15) having an axis (24), a second jaw (16), means (17, 18) able to move the tip, according to a rectilinear trajectory, closer to the second jaw, a portion (21) of surface of the second jaw forming an acute angle with the axis of the punching tip.
- 25 10. Forceps as in claim 9 in which said angle is between 70° and 85°.
11. Forceps as in claim 9 or 10 in which on the second jaw (16) there is a protuberance (23) facing the first jaw.
12. Surgical kit including one or more staples according to any claim from 1 to 7 and an apparatus equipped with clutch able to rotate the cylindrical body of a
30 staple whose teeth are held in holes made in a bone, up to a preset tension of the staple.
13. Surgical kit as in claim 12 including one or more punch cutter forceps able to

make holes, in a sternum, of diameter suitable for one or more staples included in the kit.

14. Surgical kit as in claim 13 including one or more punch cutter forceps according to any claim from 9 to 11.